



# Neighborhood Challenge Program

Introduction Webinar

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## Webinar Logistics

#### For voice access please dial:

Phone number: (888)387-8686

Pass code: 7282002

This presentation will be made available on the Web site:

http://dnr.mo.gov/transform/energizemissourihomes.htm

#### Participants are muted

#### Two ways to ask a question:

- 1. Select the 'raise hand' tool and we will unmute you. Please wait for us to prompt you.
- 2. In the Ask Questions pane simply type in your question(s) and submit.







## Agenda

- Introduction on ARRA and SEP
- Program guidelines
  - Eligible criteria
  - Program categories
  - State and federal requirements
  - Evaluation of applications
  - Application process
- Application forms
- Timeline
- Next steps
- Q & A





## American Recovery and Reinvestment Act (ARRA)

#### **Overview:**

- The ARRA of 2009 was signed into law by President Obama on Feb. 17, 2009
- An unprecedented effort to jumpstart our economy, create or save millions of jobs, and address long-neglected challenges

#### **Recovery Act Purpose**

- Preserve and create jobs and promote economic recovery
- Assist those most impacted by the recession
- Spur technological advances in science and health via investment
- Generate long-term economic benefits via investment
- Stabilize state and local government budgets

#### **Principles**

- As quickly as possible
- Prudent management
- Leveraging public and private funding





## State Energy Program (SEP)

- Administered by the U.S. Department of Energy's (DOE)
   Office of Energy Efficiency and Renewable Energy (EERE).
- Created in 1996 to provide grants to states and U.S. territories to promote energy conservation and reduce the growth of energy demand.
- Encompasses renewable energy and energy efficiency technologies and addresses all sectors of the economy.
- Under the Recovery Act, states will receive \$3.1 billion for energy projects through SEP.



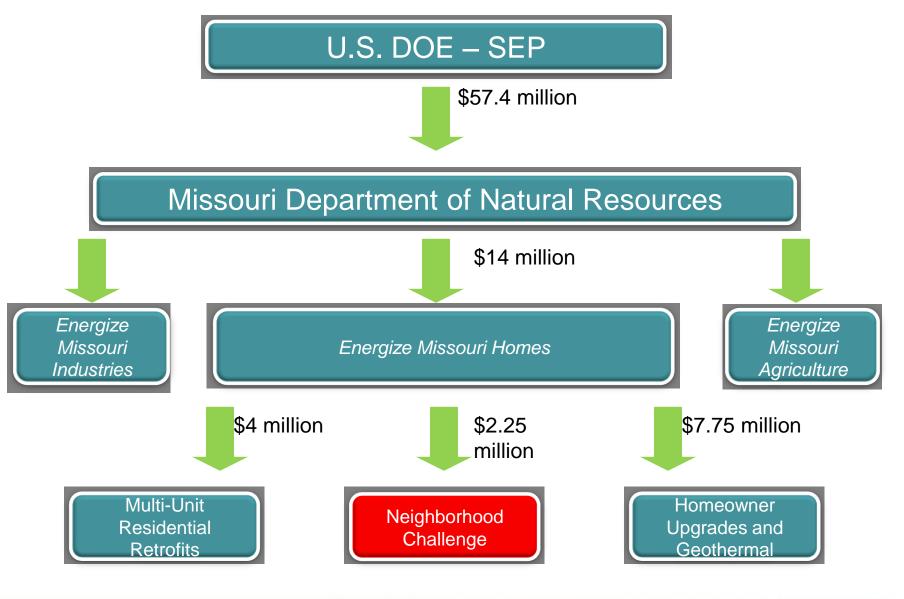


## State Energy Program (SEP)

#### Goals:

- Increase energy efficiency to reduce energy costs and consumption;
- Reduce reliance on imported energy;
- Improve the reliability of electricity and fuel supply and the delivery of energy services;
- Reduce the impacts of energy production and use on the environment.









## Program Guidelines

- Introduction
- Eligibility criteria
- Program information
- Subgrantee requirements
- Selection criteria
- Application process
- Available assistance
- Supporting documents





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SUBMITTAL DEADLINE: July 2, 2010 4:00 PM CDT

MISSOURI DEPARTMENT OF NATURAL RESOURCES DIVISION OF ENERGY 1101 RIVERSIDE DRIVE P.O. BOX 176 JEFFERSON CITY, MO 65102-0176





## **Program Introduction**

- Created to provide grants through a competitive process for municipal/cooperative electric utilities, nonprofit organizations or other associations representing such utilities.
- Will develop and implement a behavioral efficiency program with the goals of energy reduction and increased awareness of energy usage.
- Will encourage participating homeowners to voluntarily reduce their energy use.





## Eligibility Criteria

- Applicants must be:
  - Municipal electric utilities
  - Rural cooperative electric utilities
  - Nonprofit associations or organizations comprised of such utilities
- Applicants must serve residential customers with electricity in the state of Missouri.





## **Program Categories**

Eligible applicants may submit one application for any of the following three program categories:

Home Energy Reports

- In-Home Energy Monitoring Devices
- Combination Program







## Home Energy Reports

#### Requirements:

- Select a test group of homeowners to receive home energy reports for a period of 12 consecutive months.
- Select a control group of homeowners that will not receive the reports.
  - At least twenty (20) percent the size of the test group.

#### Minimum Project Size:

The test group must consist of at least 15,000 homes.

#### Maximum Funding Level:

 Subgrantee may be awarded up to 100 percent of eligible project costs, with a maximum grant award of \$500,000.





## In-Home Energy Monitoring Devices

#### Requirements:

- Select a test group of homeowners to receive devices that display home energy usage data.
- Select a control group of homeowners that will not receive devices.
  - At least twenty (20) percent the size of the test group.

#### Minimum Project Size:

The test group must consist of at least 300 homes.

#### Maximum Funding Level:

 Subgrantee may be awarded up to 100 percent of eligible project costs, with a maximum grant award of \$100,000.





## **Combination Program**

#### Requirements:

 Conduct a mixture of the Home Energy Reports and the In-Home Energy Monitoring Devices Program categories.

#### Minimum Project Size:

The test group must consist of at least 20,000 homes.

#### Maximum Funding Level:

 Subgrantee may be awarded up to 100 percent of eligible project costs, with a maximum grant award of \$750,000.





## Ineligible Projects

- Projects for any casino or other gambling establishment, aquarium, zoo, golf course, or swimming pool.
- Funds for buying or leasing property.
- Funds to conduct or purchase equipment to conduct research, development or demonstration of energy efficiency or renewable energy techniques and technologies not commercially available.
- Projects that propose using used equipment.
- Projects that begin construction prior to signing a grant agreement with DNR.
- Applicants that fail to demonstrate that projects will be completed on or before the project completion deadline of Jan. 31, 2012.





## Other Considerations

- Administrative Expenses: Applicants are allowed 5 percent administrative expenses if warranted.
- Grant Payments: Grant payments will be provided on a costreimbursement basis.
- Project Completion: All projects must be completed by Jan. 31, 2012. DNR will not authorize any extensions.
- Approval by U.S. DOE: All projects will be subject to final approval from the U.S. Department of Energy.





## Federal and State Requirements

- Required registrations
- Reporting requirements
- Davis-Bacon Act
- Buy American Provision
- Procurement requirements
- Waste management
- National Environmental Policy Act (NEPA)
- National Historic Preservation Act (NHPA)





## Davis-Bacon Act Requirements

ARRA section 1606 states that **Davis-Bacon prevailing wage** requirement broadly applies to construction projects funded with **ARRA appropriations.** 

The Davis-Bacon Act requires payment of locally prevailing wages to laborers and mechanics on contracts in excess of \$2,000 for construction, alteration, or repair of public works who are employed directly on the site of the work.





## **Buy American Provision**

- In accordance with ARRA section 1605, ARRA funds applied to a project for the construction or alternation of a public building or public work must use iron, steel and manufactured goods produced in the United States.
- The only exceptions to this rule would be if iron, steel are not produced in the United States in sufficient and reasonably available quantities and of satisfactory quality; or inclusion of iron, steel produced in the United States will increase the cost of the overall project by more than 25 percent.





## Waste Management

DNR is required to provide documentation to U.S. DOE demonstrating that an adequate disposal plan has been prepared for sanitary or hazardous waste generated by the proposed activities.

Applicants are therefore required to submit information on the expected waste stream of the proposed project.

**Upon award, grantees shall submit to DNR a complete waste management plan.** Projects shall ensure compliance with all federal, state and local regulations.





## National Environmental Policy Act (NEPA)

Requires federal agencies to consider the potential environmental impacts of their proposed actions.

Projects that meet certain criteria will likely be classified as **categorical exclusions** and will not require a NEPA review.

 Development, implementation, and installation of onsite renewable energy technology (with limitations on size of project).

If project is not a categorical exclusion, then the applicant will have to complete EF-1 Environmental Questionnaire. Project may also be subject to NEPA review.





## **Evaluation of Applications**

#### Applications will be rated on the following criteria:

- Project size and location
- Partnerships
- Justification of selected homeowners
- Experience conducting efficiency programs
- Cost-effectiveness of the project
- Project feasibility and overall impact
- Participation of small communities
- Program continuity
- Technology selection





## **Application Forms**

Form A: Application cover page

Form B: Project narrative

From C: Project partners

Form D: Home Energy Report

Program details

Form E: In-Home Energy

Monitoring Devices

Program details





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#### FORM A - APPLICATION COVER PAGE

#### Applicant Information

Applicant Name: Local Missouri Electric Cooperative

DUNS Number: 246808642

FEIN Number: 65C78F

Mailing Address: 100 Utility Dr.

Zip Code + 4: 65505

City: Anytown

Contact Name: Mike Brown

Title of Contact: Utility Outreach Manager

Email Address:

managerbrown@mocoop.com

Telephone Number:

417-444-1177

Fax Number:

417-444-1178

**Total Funding** Requested:

\$157,329.00



#### Project Information

Program Categories:

Home Energy Reports Program Category - forms A, B, C and D

In-Home Energy Monitoring Devices Program Category – forms A, B, C and E

Combination Program Category – forms A, B, C, D and E

Project Title:

Southwest Missouri Neighborhood Challenge

Proposed Start Date: September 27, 2010

Proposed Completion Date: January 31, 2012

Brief project description:

Local Missouri Cooperative is proposing to run a Combination Program including Home Energy Reports and In-Home Energy Monitoring Devices for its electric customers and the surrounding communities.



#### FORM A - APPLICATION COVER PAGE

#### **Applicant Details**

Applicant Type: (Municipal, Co-Op, Non-Profit, etc.)

Со-ор

Total Number of Residential Customers:

27,500

Description of service territory:

Southwest region of Missouri covering three (3) counties, totaling 95 square miles.

#### Financial Information

	Amount (\$)	Percent (%)
Funding Requested	\$407,755.50	88.38%
Funds Leveraged	\$53,633.50	11.62%
Total Project Cost	\$461,389.00	100%



#### FORM B - PROJECT NARRATIVE

#### **Project Narrative**

Provide a description of the proposed project, including goals and objectives, the overall impact and benefits of the project, and a statement of work (required tasks and activities).

#### FORM B - PROJECT NARRATIVE

#### Project Timeline

Provide a proposed timeline for program milestones or events, including program start date and end date.

Date	Milestone
September 27, 2010	Begin Southwest Missouri Neighborhood Challenge Program
November 1, 2010	Begin Home Energy Reports, Install In Home Devices and begin program
November 1, 2011	End Home Energy Reports and In Home Device Program
January 31, 2012	Complete Southwest Missouri Neighborhood Challenge Program

#### Energy Efficiency Program Implementation Experience

Provide a description of any residential energy efficiency programs, particularly any behavioral programs, currently or previously offered by the applicant and its partners. The description should cover any details relevant to the program including energy efficiency measures implemented, number of homes participating, and energy savings achieved.



#### FORM C - PROJECT PARTNERS

#### Partner Information

Provide information on all of the partners that will receive funds under this application.

Name of Partner	Total Number of Residential Customers	Proposed Number of Homeowners in Test Group	Proposed Allocation (\$)
Lead applicant Missouri Local Cooperative	17,000	15,000	\$276,833.40
SW Missouri Cooperative	9,000	6,000	\$138,416.70
Rural Electric Cooperative	1,500	1,000	\$46,138.90

#### Description of Partnership Structure

Provide a description of the partnership structure that has been formed for the purpose of this program.

Missouri Local Cooperative is the lead Applicant for the purpose of this program. Missouri Local Cooperative has partnered with SW Missouri Cooperative and Rural Electric Cooperative to reach a larger customer region and spread the effects of the program throughout the Missouri area.



# Each partner must provide a signed letter stating that they designate the Lead Applicant as its representative for purposes of the application and agree to the Terms and Conditions of the guidelines.

#### FORM C - PROJECT PARTNERS



FORM D - HOME ENERGY REPORT PROGRAM CATEGORY DETAILS					
ome Energy Repor	t Program Category Details				
Size of Test Group:	21,500	Size of Control Group:	5,500		
Provide justification for selected homeowners in the test and control group. Please list any criteria relevant to selection process (energy usage, location, home size, etc.)					

Please list communities included in the test and control group.

Home En

Name of City or County	Number of Homeowners in the Test Group	Number of Homeowners in the Control Group	Total Population
Southwest County	11,500	3,000	55,000
Rural County	9,000	1,500	11,000
Electric County	1,000	1,000	7,500



#### FORM D - HOME ENERGY REPORT PROGRAM CATEGORY DETAILS

#### **Budget Summary**

Provide a summary of the total budget.

	(A)	(B)	(C) = (A) + (B)	(D)
Budget Item	Funding Requested (\$)	Funds Leveraged (\$)	Total Costs (\$)	Percentage (%)
Equipment & Materials	\$161,500.00	\$21,500.00	\$183,000.00	68.46%
Direct Labor	\$60,613.50	\$10,696.50	\$71,310.00	26.68%
Administrative Expenses	\$13,000.00	\$0.00	\$13,000.00	4.86%
Other (please explain below)	N/A	\$0.00	\$0.00	0.00%
TOTAL	\$235,113.50	\$32,196.50	\$267,310.00	100%

Other budget items:



#### Detailed Budget

Equipment/Materials: List all items of equipment to be purchased valued greater than \$100.

Equipment/Material	Quantity	Unit Cost (\$)	Funding Requested (\$)	Funds Leveraged (\$)	Total Cost (\$)
Miscellaneous mailing materials	21,500	\$2.00	\$21,500.00	\$21,500.00	\$43,000.00
Utility data analysis tool & services (contractor)	1	\$140,000.00	\$140,000.00	\$0.00	\$140,000.00
TOTAL			\$161,500.00	\$21,500.00	\$183,000.00



#### Cost-Effectiveness

	(A)	(B)	$(C) = \frac{(A)}{(B)}$
	Funding Requested (\$)	Size of Test Group	Cost-Effectiveness
TOTAL	\$235,113.50	21500	10.94

#### Funds Leveraged

List the sources of funding that will be leveraged for this program. Identify the date when the funds were received by the applicant.

The applicant must provide letters from each financial partner or funding entity indicating the amount.

Source	Total Funds (\$)	Date of Award	Is Letter Included?
Missouri Local Cooperative	\$15,000.00	June 30, 2010	yes
SW Missouri Cooperative	\$8,597.75	June 30, 2010	yes
Rural Electric Cooperative	\$8,597.75	June 30, 2010	yes



Home Energy Report Program Category Details	Home	Energy	Report	Program	Category	Details
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Size of Test Group:	500	Size of Control Group:	5500
Size of Test Group.	500	Size of Control Group.	5500

Provide justification for selected homeowners in the test and control group. Please list any criteria relevant to selection process (energy usage, location, home size, etc.)

Please list communities included in the test and control group.

Name of City or County	Number of Homeowners in the Test Group	Number of Homeowners in the Control Group	Total Population
Southwest County	300	3,500	21,000
Electric County	100	1,000	11,000
Green County	ty 100 1,000		7,500



#### **Equipment Information**

Please provide the following details for the monitoring devices to be used.

	(A)	(B)	$(C) = (A) \times (B)$
Device	Quantity	Unit Cost (\$)	Total Cost (\$)
B&D Energy Saver 2.0 Device & Analysis	500	\$250.00	\$125,000.00
TOTAL	500	\$250.00	\$125,000.00

Please provide description of any devices used and all benefits and features (accompanying software, connection to an online monitoring system, etc.) that are applicable to the program.

B&D Energy Saver 2.0 comes with software for the user to analyze their energy usage from their home computer.



#### **Budget Summary**

Provide a summary of the total budget.

	(A)	(B)	(C) = (A) + (B)	(D)
Budget Item	Funding Requested (\$)	Funds Leveraged (\$)	Total Costs (\$)	Percentage (%)
Equipment & Materials	\$112,500.00	\$12,500.00	\$125,000.00	64.40%
Direct Labor	\$50,642.00	\$8,937.00	\$59,580.00	30.70%
Administrative Expenses	\$9,500.00	\$0.00	\$9,500.00	4.90%
Other (please explain below)	N/A	\$0.00	\$0.00	0.00%
TOTAL	\$172,642.00	\$21,437.00	\$194,080.00	100%

Other budget items:

#### Detailed Budget

Equipment/Materials: List all items of equipment to be purchased valued greater than \$100.

Equipment/Material	Quantity	Unit Cost (\$)	Funding Requested (\$)	Funds Leveraged (\$)	Total Cost (\$)
B&D Energy Saver 2.0 Device & Analysis Software	500	\$250.00	\$112,500.00	\$12,500.00	\$125,000.00



Detailed Budget (continued)

Direct Labor: List all applicable costs for program implementation.

Title/Job Classification	Number of Hours	Billing Rate (\$/hr)	Funding Requested (\$)	Funds Leveraged (\$)	Total Cost (\$)
Home Device Installer	750	15	\$9,562.50	\$1,687.50	\$11,250.00
Project Manager	1,080	32	\$29,376.00	\$5,184.00	\$34,560.00
Project Assistant	810	17	\$11,704.50	\$2,065.50	\$13,770.00



#### Cost-Effectiveness

	(A)	(B)	$(C) = \frac{(A)}{(B)}$
	Funding Requested (\$)	Size of Test Group	Cost-Effectiveness
TOTAL	\$172,642.00	500	345.28

#### Funds Leveraged

List the sources of funding that will be leveraged for this program. Identify the date when the funds were received by the applicant.

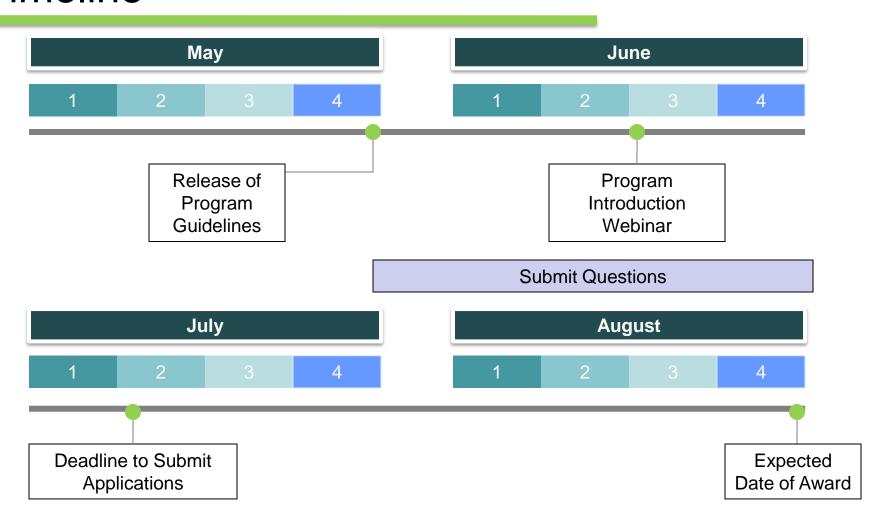
The applicant must provide letters from each financial partner or funding entity indicating the amount.

Source	Total Funds (\$)	Date of Award	Is Letter Included?
Missouri Local Cooperative	\$10,000.00	June 30, 2010	yes
Southwest Missouri Cooperative	\$5,718.50	June 30, 2010	yes
Rural Electric Cooperative	\$5,718.50	June 30, 2010	yes





### **Timeline**







## Submittal of Applications

- Submit two hard copies of the completed paper application (including supporting documents).
- Submit one electronic version containing the corresponding electronic application on a CD.
- Encouraged that applications be printed duplex on post consumer recycled content paper.
- Submit to:

# Missouri Department of Natural Resources Division of Energy

Attention: Neighborhood Challenge Program
1101 Riverside Dr., P.O. Box 176
Jefferson City, MO 65102-0176

Applications must be received by 4 p.m. CST

**July 2, 2010** 





## **Contact Information**

Call: 1-877-610-0834 (toll-free)

E-mail: EMH.challenge@shawgrp.com

Web site:

http://dnr.mo.gov/transform/energizemissourihomes.htm





## Questions?

- Questions can be submitted via email to EMH.challenge@shawgrp.com.
- Questions & answers will be made public via a rolling FAQ document.
- Any questions answered during this session will be recorded and published as part of the FAQ as well.

